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Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 16 January 2002 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit the registration data on space launches by the United States for the period from September to November 2001 (see annex).

V.02-51498 (E) 280202 010302

Annex

Registration data on space launches by the United States of America for the period from September to November 2001*

September 2001

1. The following report supplements the registration data on United States launches as at 30 September 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2001-040A	8 September 2001	107.4	63.4	1 203	999	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-040B	8 September 2001	107.4	63.4	1 203	999	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-040C	8 September 2001	107.4	63.4	1 203	999	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-043A	30 September 2001	94.0	67.1	471	466	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-043B	30 September 2001	100.7	67.0	799	790	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-043C	30 September 2001	100.7	67.1	801	791	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-043D	30 September 2001	100.9	67.1	801	793	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

* The registration data are reproduced in the form in which they were received.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit (*continued*):						
2001-043E	30 September 2001	87.4	67.0	168	123	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report:						
1965-082UR	15 October 1965	95.4	32.5	552	531	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1965-048R	24 June 1965	94.6	90.1	518	480	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1983-072D	14 July 1983	368.5	64.5	19 827	1 473	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1984-097C	8 September 1984	365.9	64.6	19 622	1 519	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1985-093C	9 October 1985	369.2	64.1	19 880	1 462	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1987-080J	16 September 1987	104.0	90.2	1 015	882	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2000-042C	19 July 2000	94.9	97.7	528	504	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 30 September 2001:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 30 September 2001:

None.

International designation	Date of launch	Basic orbital characteristics: Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space objects
The following objects identified in a previous report are no longer in orbit as at 2400Z 30 September 2001:						
1963-014EC, 1965-048N, 1966-005N, 1970-025QH, 1974-089FG, 1978-026GR, 1983-077C, 1994-029DR, 1994-029FD, 1994-029HX, 1996-019C, 1997-084K, 1999-011C, 1999-018B						
The following objects were launched since the last report but did not achieve orbit:						
None.						
Revisions that should be made to previously reported data:						
None.						

October 2001

2. The following report supplements the registration data on United States launches as at 31 October 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	Date of launch	Basic orbital characteristics: Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space objects
The following objects were launched since the last report and remain in orbit:						
2001-044A	5 October 2001	96.7	97.8	1 041	202	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-044B	5 October 2001	96.6	97.8	1 034	201	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-046A	11 October 2001	665.4	26.5	37 423	318	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-046B	11 October 2001	663.8	26.6	37 313	344	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
2001-047A	18 October 2001	93.8	97.2	458	455	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

The following objects not previously reported have been identified since the last report:

1966-040M	15 May 1966	108.0	100.3	1 169	1 095	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1978-064K	27 June 1978	98.6	108.0	706	675	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1993-017E	30 March 1993	260.2	34.8	14 033	218	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1996-041D	16 July 1996	291.3	35.0	16 162	195	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 October 2001:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 October 2001:

2001-047B

The following objects identified in a previous report are no longer in orbit as at 2400Z 31 October 2001:

1965-048R, 1965-082LY, 1967-034H, 1969-082HZ, 1970-025ES, 1970-025HD, 1970-025QJ, 1970-025QK, 1972-058AP, 1974-089FG, 1978-026AS, 1978-026AZ, 1983-030B, 1990-103B, 1990-105Z, 1994-028GV, 1994-029BM, 1994-029FV, 1994-029HZ, 1994-029KJ, 1994-029MD, 1994-029TP, 1994-029VP, 1994-029VR, 1994-029AAG, 1994-029ADU, 1999-026D, 2001-020B, 2001-033B, 2001-043E

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

November 2001

3. The following report supplements the registration data on United States launches as at 30 November 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2001-052A	27 November 2001	1 436.1	0.05	35 791	35 782	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
The following objects not previously reported have been identified since the last report:						
None.						
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 30 November 2001:						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 30 November 2001:						
None.						
The following objects identified in a previous report are no longer in orbit as at 2400Z 30 November 2001:						
1965-098E, 1969-082KR, 1972-058AP, 1975-052FL, 1977-065ES, 1978-064K, 1979-017JF, 1987-053E, 1994-029FE, 1994-029GY, 1994-029YM						
The following objects were launched since the last report but did not achieve orbit:						
None.						
Revisions that should be made to previously reported data:						
None.						

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Note verbale dated 18 January 2002 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit the registration data on space launches for the period from September to October 2001 and also on the space objects that ceased to exist during the same period (see annex).

V.02-50714 (E) 070202 080202

Annex

Registration data on space objects launched by the Russian Federation in September and October 2001*

September 2001

1. In September 2001, the Russian Federation launched the following space object:

Number	*Name of space object*	*Date of launching*	*Basic orbital characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3107	Progress M-SO1 (launched by a Soyuz carrier rocket from the Baikonur launch site)	15 September	233	192	51.65	88.8	Delivery to the International Space Station (ISS) of the Pirs docking module, which provided the Russian segment of ISS with an additional docking facility

2. The following space objects ceased to exist in September 2001 and were no longer in Earth orbit as at 2400 hours Moscow time on 30 September 2001:

1978-004 A (Cosmos-975)
2001-041 A (Progress M1-SO1)

* The registration data are reproduced in the form in which they were received.

October 2001

3. In October 2001, the Russian Federation launched the following space objects:

Number	*Name of space object*	*Date of launching*	*Basic orbital characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3108	Raduga-1 (launched by a Proton carrier rocket from the Baikonur launch site)	6 October	35 922		1.35	1 440	Communications satellite
3109	Soyuz TM-33 (launched by a Soyuz carrier rocket from the Baikonur launch site)	21 October	235	193	51.6	88.5	Delivery to ISS of a crew consisting of Viktor Afanasyev, Konstantin Kozeev and the French astronaut Claudie Haigneré
3110	Molniya-3 (launched by a Molniya carrier rocket from the Baikonur launch site)	25 October	40 658	646	62.9	736	Operation of a long-range telephone and telegraph communications system, transmission of television programmes to points on the Orbita network, and in the interests of international cooperation

4. The following space objects ceased to exist in October 2001 and were no longer in Earth orbit as at 2400 hours Moscow time on 31 October 2001:

2001-022 A (Cosmos-2377)
2001-017 A (Soyuz TM-32)

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Note verbale dated 4 February 2002 from the Permanent Mission of France to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of France to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to submit the list of objects launched by France in 2001 (see annex).

V.02-51504 (E) 260202 270202

Annex

Registration data on space objects launched by France in 2001

The following space objects were launched from Kourou, French Guiana:

Registration number	*Date of launch (Universal Time)*	*Nodal period (seconds)*	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	*General function of space object*
2001-4	8 June 2001	-	7.000	35 945	200	Third stage of Ariane-4
2001-5	12 July 2001	-	2.900	17 520	596	Upper stage of Ariane-5
2001-6	30 August 2001	-	7.000	35 947	200	Third stage of Ariane-4
2001-7	25 September 2001	-	7.000	35 930	299	Third stage of Ariane-4
2001-7B	25 September 2001	86 160	0.000	35 786	35 786	EUTELSAT ATLANTIC BIRD 2 telecommunications satellite[a]

[a] The European Telecommunications Satellite Organization (EUTELSAT) and France have agreed that France should register this satellite temporarily until EUTELSAT has met the conditions (definite geostationary orbit indicated) for registering it.

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Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 5 February 2002 from the Permanent Mission of Japan to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Japan to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (resolution 3235 (XXIX), annex) has the honour to transmit information concerning the launching of the Japanese satellites SUPERBIRD-B2 and N-SAT-110 and the Large Deployable Reflector Experiment (LDREX) in 2000 (see annex).

V.02-51786 (E) 050302 060302

Annex

Registration data for Japanese space launches

A. SUPERBIRD-B2

1.	Name of satellite:	SUPERBIRD-B2
2.	Designation:	2000-012A
3.	Name of launch State:	Japan (France)
4.	Date and time of launch:	18 February 2000 at 0104 GMT
5.	Location of launch:	Guiana Space Centre, Kourou, French Guiana
6.	Basic orbit parameters:	(as at 17 December 2000 (Japanese Standard Time))
	(a) Period:	1,436 minutes
	(b) Inclination:	0.026 degrees
	(c) Apogee:	35,788 kilometres
	(d) Perigee:	35,779 kilometres
7.	General function:	Domestic and international communications
8.	Launch vehicle:	Ariane 4
9.	Launch organization:	Arianespace

B. N-SAT-110

1.	Name of satellite:	N-SAT-110
2.	Designation:	2000-060A
3.	Name of launch State:	Japan (France)
4.	Date and time of launch:	6 October 2000 at 2300 GMT
5.	Location of launch:	Guiana Space Centre, Kourou, French Guiana
6.	Basic orbit parameters:	(as at 12 December 2000 (Japanese Standard Time))
	(a) Period:	1,436 minutes
	(b) Inclination:	0.029 degrees
	(c) Apogee:	35,797 kilometres
	(d) Perigee:	35,779 kilometres
7.	General function:	Domestic communications and domestic broadcasting
8.	Launch vehicle:	Ariane 42L
9.	Launch organization:	Arianespace

C. Large Deployable Reflector Experiment

1.	Name of flight object:	Large Deployable Reflector Experiment (LDREX)
2.	Designation:	2000-081C
3.	Name of launch State:	JAPAN
4.	Date and time of launch:	20 December 2000 at 0026 GMT
5.	Location of launch:	Guiana Space Centre, Kourou, French Guiana)
6.	Basic orbit parameters:	(as at 20 December 2000)
	(a) Nodal period:	633 minutes
	(b) Inclination:	1.99 degrees
	(c) Apogee:	35,883 kilometres
	(d) Perigee:	200 kilometres
7.	General function:	The Large Deployable Reflector Experiment (LDREX) is a small-scale and partial model of the Large Deployable Reflector (LDR) of Engineering Test Satellite VIII (ETS-VIII), which is under development and to be launched in 2003, and was to conduct experiments in orbit for validating the design of LDR.
8.	Launch vehicle:	Ariane 5 (Flight 138)
9.	Launch organization:	Arianespace

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Note verbale dated 1 March 2002 from the Permanent Mission of Sweden to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Sweden to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV, paragraph 2, of the Convention on Registration of Objects Launched into Outer Space,* has the honour to inform the Secretary-General that the Swedish satellite Munin (registration number 2000-075C) ceased functioning on 12 February 2002. Registration data for this satellite are contained in document ST/SG/SER.E/380.

* General Assembly resolution 3235 (XXIX), annex.

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Note verbale dated 27 March 2002 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit the registration data on the Russian space launches for the period from November to December 2001 and also on the space objects that ceased to exist during the same period of time (see annex).

* General Assembly resolution 3235 (XXIX), annex.

V.02-53207 (E) 030502 060502

Annex

Registration data on space objects launched by the Russian Federation in November and December 2001*

November 2001

1. In November 2001, the Russian Federation launched the following space object:

Number	*Name of space object*	*Date of launch*	*Basic orbital characteristics*				*General purpose of space objects*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3111	Progress M1-7 (launched by a Soyuz carrier rocket from the Baikonur launch site)	26 November	253	193	51.7	88.7	Delivery to the International Space Station (ISS) of fuel, products and other consumables

2. The following space objects ceased to exist in November 2001 and were no longer in Earth orbit as at 2400 hours Moscow time on 30 November 2001:

2001-036A (Progress M-45)

1998-022A (Molniya-1)

1978-117A (Cosmos-1063)

1986-057A (Molniya-1)

1986-079A (Molniya-3)

1986-049A (Molniya-3)

1986-031A (Molniya-3)

1985-074A (Molniya-1)

1985-099A (Molniya-1)

1987-036A (Cosmos-1838)

* The registration data are reproduced in the form in which they were received.

December 2001

3. In December 2001, the Russian Federation launched the following space objects:

Number	*Name of space object*	*Date of launch*	*Basic orbital characteristics*				*General purpose of space objects*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3112	Cosmos-2380 (launched by a Proton carrier rocket from the Baikonur launch site)[a]	1 December	19 128		64.9	675	Work on the Global Navigation Satellite System (GLONASS)
3113	Cosmos-2381[a]	1 December	19 128		64.9	675	Work on GLONASS
3114	Cosmos-2382[a]	1 December	19 128		64.9	675	Work on GLONASS
3115	Meteor-3M (launched by a Zenit carrier rocket from the Baikonur launch site)[b]	10 December	1 018		99.6	105.3	Hydrometeorology and heliogeophysics; study of the natural resources of the Earth and monitoring of its environment
3116	Kompas[b]	10 December	1 018		99.6	105.3	Small space device intended for the forecasting of earthquakes
3117	Reflektor[b]	10 December	1 018		99.6	105.3	Small space device intended for scientific research into the calibration of optical laser telescopes
3118	Cosmos-2383 (launched by a Tsiklon-2 carrier rocket from the Baikonur launch site)	21 December	421	412	65	92.8	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3119	Cosmos-2384 (launched by a Tsiklon-3 carrier rocket from the Plesetsk launch site)[c]	28 December	1 447	1 415	82.5	114.2	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3120	Cosmos-2385[c]	28 December	1 447	1 415	82.5	114.2	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3121	Cosmos-2386[c]	28 December	1 447	1 415	82.5	114.2	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation
3122	Gonets-D1 No. 7[c]	28 December	1 447	1 415	82.5	114.2	Work on a low-orbit satellite communications system

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Number	Name of space object	Date of launch	Basic orbital characteristics				General purpose of space objects
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
31123	Gonets-D1M No. 8[c]	28 December	1 447	1 415	82.5	114.2	Work on a low-orbit satellite communications system
31124	Gonets-D1M No. 9[c]	28 December	1 447	1 415	82.5	114.2	Work on a low-orbit satellite communications system

Note: [a] Cosmos-2380, Cosmos-2381 and Cosmos-2382 were launched by a single Proton carrier rocket from the Baikonur launch site.
[b] Meteor-3M, Kompas and Reflektor were launched by a single Zenit carrier rocket from the Baikonur launch site.
[c] Cosmos-2384, Cosmos-2385, Cosmos-2386, Gonets-D1 No. 7, Gonets-D1M No. 8 and Gonets-D1M No. 9 were launched by a single Tsiklon-3 carrier rocket from the Plesetsk launch site.

4. On 10 December 2001, in conjunction with the launching of space object Meteor-3M from the Baikonur launch site by a Zenit carrier rocket, the following small satellites were carried as accompanying payload and placed in Earth orbit: the Pakistan BADR-B satellite (remote monitoring of the Earth) and the Moroccan Maroc/Tubsat satellite (remote monitoring of the Earth).

5. The following space objects ceased to exist in December 2001 and were no longer in Earth orbit as at 2400 hours Moscow time on 31 December 2001:

1980-028A (Cosmos-1172)
1980-092A (Molniya-1)
1980-103A (Prognoz-8)
1981-002A (Molniya-3)
1981-105A (Molniya-3)
1981-113A (Molniya-1)
1983-025A (Molniya-1)
1983-038A (Cosmos-1456)
1983-126A (Cosmos-1518)
1985-004A (Molniya-3)
1985-033A (Prognoz-10)
1986-068A (Molniya-1)
1988-069A (Molniya-1)
1988-115A (Molniya-1)
1989-096A (Granat)

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Note verbale dated 21 May 2002 from the Permanent Mission of the Russian Federation to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to transmit the registration data on the Russian space launches for the period from January to March 2002 and also on the space objects that ceased to exist during the same period of time (see annex).

* General Assembly resolution 3235 (XXIX), annex.

V.02-55104 (E) 130602 140602

Annex

Registration data on space objects launched by the Russian Federation in January, February and March 2002*

January 2002

1. In January 2002, no space objects belonging to the Russian Federation were launched.

2. In January 2002, the Russian Federation did not launch any space objects on behalf of foreign clients.

3. The following space objects ceased to exist in January 2002 and were no longer in Earth orbit as at 2400 hours Moscow time on 31 January 2002:

1976-112A (Prognoz-5)

1976-021A (Molniya-1)

1979-091A (Molniya-1)

1979-004A (Molniya-3)

1980-069A (Cosmos-1206)

February 2002

4. In February 2002, the Russian Federation launched the following space object:

			Basic orbital characteristics				
Number	*Name of space object*	*Date of launch*	*Apogee (km)*	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	*General purpose of space object*
3125	Cosmos-2387 (launched by a Soyuz carrier rocket from the Plesetsk launch site)	25 February	360	170	67.1	89.5	The space object is intended for assignments on behalf of the Ministry of Defence of the Russian Federation.

5. In February 2002, the Russian Federation did not launch any space objects on behalf of foreign clients.

6. The following space object ceased to exist in February 2002 and was no longer in Earth orbit as at 2400 hours Moscow time on 28 February 2002: 1979-093A (Cosmos-1143).

* The registration data are reproduced in the form in which they were received.

March 2002

7. In March 2002, the Russian Federation launched the following space objects:

Number	*Name of space object*	*Date of launch*	*Basic orbital characteristics*				*General purpose of space object*
			Apogee (km)	*Perigee (km)*	*Inclination (degrees)*	*Period (minutes)*	
3126	Kolibri-2000 (launched by the Progress M1-7 cargo spacecraft)	20 March	405	388	51.8	92.3	Research on the radiation belts of the Earth's magnetosphere above the continents of Europe and Australasia, as part of a scientific education programme for young people in Australia and the Russian Federation
3127	Progress M1-8 (launched by a Soyuz carrier rocket from the Baikonur launch site)	21 March	253	194	51.6	88.7	Delivery of fuel, food and other consumables to the International Space Station

8. On 17 March 2002, two Grace satellites (for research on the Earth's gravity field) were placed in Earth orbit on behalf of Germany and the United States of America by a single Rokot carrier rocket from the Plesetsk launch site.

9. On 30 March 2002, the United States satellite Intelsat-9 was placed in Earth orbit by a Proton carrier rocket from the Baikonur launch site, so as to provide live television broadcasting, telephone communications and data transfer for Internet networks in the countries of Africa, Europe, the Middle East and North and South America.

10. The following space object ceased to exist in March 2002 and was no longer in Earth orbit as at 2400 hours Moscow time on 31 March 2002: 2001-051A (Progress M1-7).

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Note verbale dated 28 May 2002 from the Permanent Mission of Germany to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Germany to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* has the honour to submit information concerning space objects launched by Germany in March 2002 (see annex).

* General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

V.02-55623 (E) 040702 050702

Annex

Registration data on space objects launched by Germany in March 2002*

A. GRACE 1

Registration number:	D-R022
Type:	Satellite
Launching State:	Germany
Designation of space object:	GRACE 1
Date and location of launch:	17 March 2002 Kosmodrome Plesetsk, Russian Federation
Basic orbital parameters:	
Period:	95 minutes
Inclination:	89.025446 degrees
Apogee:	505 km
Perigee:	475 km
General function:	Mini satellite mission to measure the global gravitational field of the Earth; delivery of an actual (updated) model of the gravity field every 30 days; atmospheric-ionospheric sounding
Date of registration into the Aircraft Register of the Federal Republic of Germany—Spacecraft:	30 April 2002

* The registration data are reproduced in the form in which they were received.

B. GRACE 2

Registration number:	D-R023
Type:	Satellite
Launching State:	Germany
Designation of space object:	GRACE 2
Date and location of launch:	17 March 2002 Kosmodrome Plesetsk, Russian Federation
Basic orbital parameters:	
Period:	95 minutes
Inclination:	89.025446 degrees
Apogee:	505 km
Perigee:	475 km
General function:	Mini satellite mission to measure the global gravitational field of the Earth; delivery of an actual (updated) model of the gravity field every 30 days; atmospheric-ionospheric sounding
Date of registration into the Aircraft Register of the Federal Republic of Germany—Spacecraft:	30 April 2002

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Note verbale dated 31 May 2002 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit the registration data on space launches by the United States for the period from December 2001 to March 2002 (see annex).

V.02-56238 (E) 080802 090802

Annex

Registration data on space launches by the United States of America for the period from December 2001 to March 2002*

December 2001

1. The following report supplements the registration data on United States launches as at 31 December 2001. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2001-054B	5 December 2001	92.0	51.6	385	359	Spacecraft engaged in investigation of spaceflight techniques and technology
2001-055A	7 December 2001	112.1	66.1	1 339	1 325	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-055B	7 December 2001	97.2	74.1	654	647	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2001-055C	7 December 2001	87.2	76.6	156	114	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-055D	7 December 2001	112.1	66.0	1 338	1 335	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2001-056E	10 December 2001	104.9	99.6	1 016	999	Spacecraft engaged in practical applications and uses of space technology such as weather or communications

* The registration data are reproduced in the form in which they were received.

International designation	Date of launch	Basic orbital characteristics: Nodal period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space objects
The following objects not previously reported have been identified since the last report:						
1990-065U	25 July 1990	558.2	18.3	31 822	335	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
1990-065V	25 July 1990	564.1	18.1	32 111	365	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 December 2001:						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 December 2001:						
2001-054A	5 December 2001	91.9	51.6	377	353	Reusable space transportation systems
The following objects identified in a previous report are no longer in orbit as at 2400Z 31 December 2001:						
1961-015CP, 1963-014CY, 1963-014EH, 1969-082ER, 1970-025GE, 1990-043D, 1991-032B, 1994-029BK, 1994-029GG, 1994-029KA, 1994-029KK, 1994-029MJ, 1994-029NQ, 1994-029ZN, 1994-029ABL, 1996-049C, 1996-049D, 2001-044B						
The following objects were launched since the last report but did not achieve orbit:						
None.						
Revisions that should be made to previously reported data:						
None.						

January 2002

2. The following report supplements the registration data on United States launches as at 31 January 2002. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2002-001A	16 January 2002	1 438.1	4.5	35 847	35 844	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-001B	16 January 2002	1 438.1	4.5	35 847	35 844	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 January 2002:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 January 2002:

None.

The following objects identified in a previous report are no longer in orbit as at 2400Z 31 January 2002:

1965-082AL, 1968-066D, 1970-025GE, 1973-086GV, 1974-089BS, 1992-038B, 1992-031A, 1994-029GF, 1994-029GH, 1994-029HE, 1994-029JE, 2001-031B, 2001-035B, 2001-055C

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

February 2002

3. The following report supplements the registration data on United States launches as at 28 February 2002. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2002-004A	5 February 2002	96.6	38.0	607	582	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-004B	5 February 2002	96.6	38.0	608	587	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-005A	11 February 2002	98.1	86.6	689	663	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-005B	11 February 2002	98.1	86.6	691	673	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-005C	11 February 2002	98.1	86.6	690	677	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-005D	11 February 2002	98.1	86.6	687	670	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-005E	11 February 2002	98.1	86.6	695	678	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-005F	11 February 2002	93.6	86.6	613	324	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects
2002-006A	21 February 2002	1 436.5	0.045	35 869	35 722	Spacecraft engaged in practical applications and uses of space technology such as weather or communications
2002-006B	21 February 2002	1 082.7	22.6	56 879	218	Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects

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International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	

The following objects not previously reported have been identified since the last report:

None.

The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 28 February 2002:

None.

The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 28 February 2002:

None.

The following objects identified in a previous report are no longer in orbit as at 2400Z 28 February 2002:

1961-015HN, 1963-014DL, 1968-066D, 1969-082BZ, 1969-082LG, 1970-025GW, 1972-058AB, 1972-076D, 1973-086GV, 1994-029JS, 1994-029ML, 1997-051D, 1999-065J

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

March 2002

4. The following report supplements the registration data on United States launches as at 31 March 2002. All launches were made from the territory of the United States unless otherwise specified.

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	
The following objects were launched since the last report and remain in orbit:						
2002-011A	8 March 2002	697.1	21.4	35 805	3 523	Spacecraft engaged in investigation of spaceflight techniques and technology
2002-011B	8 March 2002	504.8	27.0	29 008	238	Spacecraft engaged in research and exploration of the upper atmosphere or outer space
2002-012A	17 March 2002	94.5	89.0	506	482	Spacecraft engaged in investigation of spaceflight techniques and technology
2002-012B	17 March 2002	94.5	89.0	507	482	Spacecraft engaged in investigation of spaceflight techniques and technology
The following objects not previously reported have been identified since the last report:						
None.						
The following objects not previously reported have been identified since the last report but are no longer in orbit as at 2400Z 31 March 2002:						
None.						
The following objects achieved orbit since the last report but are no longer in orbit as at 2400Z 31 March 2002:						
2002-010A	1 March 2002	95.3	28.5	578	486	Reusable space transportation systems

International designation	*Date of launch*	*Basic orbital characteristics*				*General function of space objects*
		Nodal period (min)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*	

The following objects identified in a previous report are no longer in orbit as at 2400Z 31 March 2002:

1961-015JN, 1961-015MB, 1965-082UR, 1968-055G, 1978-026DL, 1978-026HM, 1990-043K, 1991-032C, 1994-029EC, 1994-029GD, 1994-029GJ, 1994-029JZ, 1994-029LR, 1994-029ACP, 1995-069B, 1997-064B

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

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Note verbale dated 5 June 2002 from the Permanent Mission of India to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of India to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and has the honour to transmit, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space,* information concerning the Indian satellite INSAT 3C launched on 23 January 2002 (see annex).

* General Assembly resolution 3235 (XXIX), annex, of 12 November 1974.

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Annex

Registration data for Indian space objects*

Name of the launching State:	India
An appropriate designator of the space object or its registration number:	INSAT 3C
Date and territory or location of launch:	
Launch vehicle:	Ariane 4
Launch date:	23 January 2002
Launch site:	Kourou, French Guiana
Basic orbit characteristics:	Geostationary orbit at 74° E
General function of the space object:	Communication satellite

* The registration data are reproduced in the form in which they were received.